

**UNIVERSITI TEKNOLOGI MARA**

**KNOWLEDGE AND ATTITUDE  
REGARDING DENGUE FEVER AMONG  
UNDERGRADUATE STUDENTS IN UITM  
PUNCAK ALAM**

**NOOR ZAFIRAH BINTI AWANG**

**NURUL FARAHANA BINTI ABDUL KUDUS**

**SITI NOORHANNY BINTI NOR AZMI**

**Project submitted in fulfillment for the requirements for the  
degree of**

**Bachelor of Nursing (Hons.)**

**Faculty of Health Sciences**

**JUNE 2015**

## **Author's Declaration**

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution for any degree or qualification. In event that my dissertation be found to violate the conditions mentioned above, I voluntarily waive the right of conferment of my degree and agree be subjected to the disciplinary rules and regulations of Universiti Teknologi MARA.

Name of Student : Noor Zafirah Binti Awang  
Student I.D. No. : 2011682746  
Programme : Bachelor of Nursing (Hons)  
Faculty : Faculty of Health Sciences  
Thesis : Knowledge and Attitude regarding Dengue Fever  
among Undergraduate Students in UiTM Puncak Alam  
Signature of Student :  
Date : June 2015

Name of Student : Nurul Farahana Binti Abdul Kudus  
Student I.D. No. : 2011483138  
Programme : Bachelor of Nursing (Hons)  
Faculty : Faculty of Health Sciences  
Thesis : Knowledge and Attitude regarding Dengue Fever  
among Undergraduate Students in UiTM Puncak Alam  
Signature of Student :  
Date : June 2015

## TABLE OF CONTENTS

CONTENT	PAGE
<b>AUTHOR DECLARATION</b>	<b>ii</b>
<b>ACKNOWLEDGEMENT</b>	<b>iv</b>
<b>LIST OF CONTENTS</b>	<b>v</b>
<b>LIST OF TABLES</b>	<b>x</b>
<b>LIST OF FIGURES</b>	<b>xi</b>
<b>LIST OF APPENDICES</b>	<b>xii</b>
<b>ABSTRACT</b>	<b>xiii</b>

### CHAPTER 1 INTRODUCTION

1.1. Introduction	1
1.2. Background of Study	1
1.3. Problem Statement	2
1.4. Research Questions	3
1.5. Research Objective	
1.5.1. General objectives	4
1.5.2. Specific objectives	4
1.6. Hypothesis to be tested	4
1.7. Significance of Study	5
1.8. Scope of Study	6
1.9. Definitions of term	6
1.10. Conceptual Framework	8

### CHAPTER 2 LITERATURE REVIEW

2.1. Introduction	9
-------------------	---

## TABLE OF CONTENTS

CONTENT	PAGE
2.2. Demographic Factors	
2.2.1. Age	9
2.2.2. Gender	10
2.2.3. Faculty	11
2.2.4. Year of Study	11
2.2.5. Student Group	12
2.2.6. Ever heard about Dengue Fever	12
2.2.7. Source of information on Dengue Fever	12
2.2.8. Experience on Dengue Fever	14
2.3. Knowledge of Dengue Fever	
2.3.1. Symptoms of Dengue Fever	14
2.3.2. Transmission of Dengue Fever	15
2.3.3. Management of Dengue Fever	16
2.3.4. Total knowledge of Dengue Fever	17
2.4. Attitude of Dengue Fever	18
2.5. Association of Dengue Fever	
2.5.1. Relationship between knowledge and socio-demographic factors	19
2.5.2. Relationship between attitude and socio-demographic factors	19
2.5.3. Relationship between knowledge and attitude	19
2.6. Summary	20

## CHAPTER 3 RESEARCH METHODOLOGY

3.1	Introduction	21
3.2	Study Design	21
3.3	Study Setting	22

# Knowledge and Attitude regarding Dengue Fever among Undergraduate Students in UiTM Puncak Alam

Fatimah S. <sup>1</sup>, Noor Zafirah A. <sup>1</sup>, Nurul Farahana A. K. <sup>1</sup>, Siti Noorhanny N. A. <sup>1</sup>

<sup>1</sup> Department of Nursing, Faculty of Health Sciences, Universiti Teknologi MARA (UiTM), Malaysia

## ABSTRACT

**Background:** Dengue is among the most well-known mosquito-borne viral illnesses attacking people. Prevalence of Dengue fever among Malaysians has been worsened each year with an increasing numbers of reported cases and its more severe forms clearly calls attention to the importance of knowledge and attitudes toward the prevention of dengue.

**Objective:** The study aims to assess the knowledge and attitudes regarding Dengue Fever among university students in UiTM Puncak Alam campus.

**Methodology:** A cross-sectional study using self-reported questionnaires was conducted among 366 undergraduate students of UiTM Puncak Alam. The data were analysed using SPSS version 20.0.

**Results:** Only 57 (15.6%) of undergraduate students have good knowledge on Dengue Fever while 290 (79.2%) students have good attitudes towards Dengue Fever. There were no statistically significant associations between most socio-demographic factors (with score of knowledge regarding Dengue Fever except for faculty;  $p=0.01$ ). There were also no statistically significant associations between most socio-demographic factors with attitude regarding Dengue Fever.

**Conclusion:** Undergraduate students have excellent attitude regarding Dengue Fever. However, the level of knowledge was poor where less than quarter of the participants able to achieve the good level of knowledge on Dengue Fever.

**Keywords:** Dengue Fever, University Students, Knowledge and Attitude